Wang

1635

08/978,632

CRF Processing Date: 11/5/98
Edited by: _____ Aw (STIC staff)
Verified by: _____

Serial Number: ___08/978,632___

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

ENTERED

☐ Edited a format error in the Current Application Data section, specifically: _____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: _____

☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☑ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically: _____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: _____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1635

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/978,632*

DATE: 11/09/98
TIME: 09:01:34

INPUT SET: S29656.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING   ENTERED

```
1
2
3     (1)    General Information
4
5     (i)APPLICANT:ELAZAR RABBANI
6     JANNIS G. STAVRIANOPOULOS
7     JAMES J. DONEGAN
8     DAKAI LIU
9     NORMAN E. KELKER
10    DEAN L. ENGELHARDT
11
12    (ii)TITLE OF INVENTION:NOVEL PROPERTY EFFECTING
13    AND/OR  PROPERTY EXHIBITING COMPOSITIONS FOR
14    THERAPEUTIC AND DIAGNOSTIC USE
15
16    (iii)NUMBER OF SEQUENCES: 42
17
18    (iv)CORRESPONDENCE ADDRESS:
19    (A)ADDRESSEE:ENZO THERAPEUTICS, INC.
20    (B)STREET:C/O ENZO BIOCHEM, INC.
21    527 MADISON AVENUE,
22    9TH FLOOR
23    (C)CITY:NEW YORK
24    (D)STATE:NY
25    (E)COUNTRY:USA
26    (F)ZIP:10022
27
28    (v)COMPUTER READABLE FORM:
29    (A)MEDIUM TYPE: 3.5" Micro Floppy Disk.  1.44 KB
30    STORAGE
31    (B)COMPUTER:IBM PC/XT/AT, IBM PS/2 OR COMPATIBLES
32    (C)OPERATING SYSTEM:PC-DOS
33    (D)SOFTWARE:  MICROSOFT WORD ___ - ASCII TEXT (DOS)
34
35    (vi)CURRENT APPLICATION DATA:
36    (A)APPLICATION NUMBER:   US 08/978,632
37    (B)FILING DATE:25-NOVEMBER-1997
38    (C)CLASSIFICATION:Not Yet Known
39
40    (viii)ATTORNEY/AGENT INFORMATION:
41    (A)NAME:FEDUS, RONALD C.
42    (B)REGISTRATION NUMBER: 32,567
43    (C)REFERENCE/DOCKET NUMBER:ENZ-53(C)
44
45    (ix)TELECOMUNICATION INFORMATION:
46    (A)TELEPHONE:(212) 583-0100
```

--> of

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/978,632*

DATE: 11/09/98
TIME: 09:01:35

INPUT SET: S29656.raw

```
47   (B)TELEFAX:(212) 583-0150
48
49   (2) INFORMATION FOR SEQ ID NO:1:
50
51   (i) SEQUENCE CHARACTERISTICS:
52   (A) LENGTH:20 amino acids
53   (B) TYPE:amino acid
54   (C) STRANDEDNESS:single
55   (D) TOPOLOGY:linear
56
57   (ii) MOLECULE TYPE: peptide
58
59   (iii) HYPOTHETICAL: NO
60
61   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:1:
62
63   Gly Phe Phe Gly Ala Ile Ala Gly  Phe Leu Glu Gly  Gly  Trp Glu  Gly        15
64   1                                10
65
66   Met Ile Ala Gly
67       20
68
69
70   (2) INFORMATION FOR SEQ ID NO:2:
71
72   (i) SEQUENCE CHARACTERISTICS:
73   (A) LENGTH:20 base pairs
74   (B) TYPE:nucleic acid
75   (C) STRANDEDNESS:double
76   (D) TOPOLOGY:linear
77
78   (ii) MOLECULE TYPE: DNA (genomic)
79
80   (iii) HYPOTHETICAL: NO
81
82   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:2:
83
84   TGCTCTCTAA   GGGTCTACTC    20
85
86
87   (2) INFORMATION FOR SEQ ID NO:3:
88
89   (i) SEQUENCE CHARACTERISTICS:
90   (A) LENGTH:15 base pairs
91   (B) TYPE:nucleic acid
92   (C) STRANDEDNESS:double
93   (D) TOPOLOGY:linear
94
95   (ii) MOLECULE TYPE: DNA (genomic)
96
97   (iii) HYPOTHETICAL: NO
98
99   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:3:
```

```
100
101   CTCTAAGGTA   AATAT        15
102
103
104   (2) INFORMATION FOR SEQ ID NO:4:
105
106   (i) SEQUENCE CHARACTERISTICS:
107   (A) LENGTH:16 base pairs
108   (B) TYPE:nucleic acid
109   (C) STRANDEDNESS:double
110   (D) TOPOLOGY:linear
111
112   (ii) MOLECULE TYPE: DNA (genomic)
113
114   (iii) HYPOTHETICAL: NO
115
116   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:4:
117
118   TGTATTTTAG   ATTCAA        16
119
120
121   (2) INFORMATION FOR SEQ ID NO:5:
122
123   (i) SEQUENCE CHARACTERISTICS:
124   (A) LENGTH:19 base pairs
125   (B) TYPE:nucleic acid
126   (C) STRANDEDNESS:double
127   (D) TOPOLOGY:linear
128
129   (ii) MOLECULE TYPE: DNA (genomic)
130
131   (iii) HYPOTHETICAL: YES
132
133   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:5:
134
135   TGCTCTCTAA   GGTAAATAT      19
136
137
138   (2) INFORMATION FOR SEQ ID NO:6:
139
140   (i) SEQUENCE CHARACTERISTICS:
141   (A) LENGTH:19 base pairs
142   (B) TYPE:nucleic acid
143   (C) STRANDEDNESS:double
144   (D) TOPOLOGY:linear
145
146   (ii) MOLECULE TYPE: DNA (genomic)
147
148   (iii) HYPOTHETICAL: YES
149
150   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:6:
151
152   TGTATTTTAG   GGTCTACTC      19
```

```
153
154   (2) INFORMATION FOR SEQ ID NO:7:
155
156   (i) SEQUENCE CHARACTERISTICS:
157   (A) LENGTH:19 base pairs
158   (B) TYPE:nucleic acid
159   (C) STRANDEDNESS:single
160   (D) TOPOLOGY:linear
161
162   (ii) MOLECULE TYPE: mRNA
163
164   (iii) HYPOTHETICAL: YES
165
166   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:7:
167
168   UGCUCUCUAA   GGUAAAUAU        19
169
170
171   (2) INFORMATION FOR SEQ ID NO:8:
172
173   (i) SEQUENCE CHARACTERISTICS:
174   (A) LENGTH:19 base pairs
175   (B) TYPE:nucleic acid
176   (C) STRANDEDNESS:single
177   (D) TOPOLOGY:linear
178
179   (ii) MOLECULE TYPE: mRNA
180
181   (iii) HYPOTHETICAL: YES
182
183   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:8:
184
185   UGUAUUUUAG   GGUCUACUC        19
186
187
188   (2) INFORMATION FOR SEQ ID NO:9:
189
190   (i) SEQUENCE CHARACTERISTICS:
191   (A) LENGTH:20 base pairs
192   (B) TYPE:nucleic acid
193   (C) STRANDEDNESS:single
194   (D) TOPOLOGY:linear
195
196   (ii) MOLECULE TYPE: mRNA
197
198   (iii) HYPOTHETICAL: YES
199
200   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:9:
201
202   UGCUCUCUAA   GGGUCUACUC        20
203
204
205   (2) INFORMATION FOR SEQ ID NO:10:
```

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/978,632*

DATE: 11/09/98
TIME: 09:01:38

INPUT SET: S29656.raw

```
206
207   (i) SEQUENCE CHARACTERISTICS:
208   (A) LENGTH:49 base pairs
209   (B) TYPE:nucleic acid
210   (C) STRANDEDNESS:single
211   (D) TOPOLOGY:linear
212
213   (ii) MOLECULE TYPE: other nucleic acid
214     (A) DESCRIPTION:  /desc = "oligonucleotide"
215
216   (iii) HYPOTHETICAL: YES
217
218   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:10:
219
220   GGAATTCGTC   TCGAGCTCTG   ATCACCACCA   TGGACACGAT   TAACATCGC        49
221
222
223   (2) INFORMATION FOR SEQ ID NO:11:
224
225   (i) SEQUENCE CHARACTERISTICS:
226   (A) LENGTH:55 base pairs
227   (B) TYPE:nucleic acid
228   (C) STRANDEDNESS:single
229   (D) TOPOLOGY:linear
230
231   (ii) MOLECULE TYPE: other nucleic acid
232     (A) DESCRIPTION:  /desc = "oligonucleotide"
233
234   (iii) HYPOTHETICAL: YES
235
236   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:11:
237
238   GACTAGTTGG   TCTCGTCTCT   TTTTTGGAGG   AGTGTCGTTC   TTAGCGATGT   TAATC      55
239
240
241   (2) INFORMATION FOR SEQ ID NO:12:
242
243   (i) SEQUENCE CHARACTERISTICS:
244   (A) LENGTH:46 base pairs
245   (B) TYPE:nucleic acid
246   (C) STRANDEDNESS:single
247   (D) TOPOLOGY:linear
248
249   (ii) MOLECULE TYPE: other nucleic acid
250     (A) DESCRIPTION:  /desc = "oligonucleotide"
251
252   (iii) HYPOTHETICAL: YES
253
254   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:12:
255
256   GGAATTCGTC   TCGGAGAAAG   GTAAAATTCT   CTGACATCGA   ACTGGC        46
257
258
```

PAGE: 6

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/978,632*

DATE: 11/09/98
TIME: 09:01:40

INPUT SET: S29656.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

814   (2) INFORMATION FOR SEQ ID NO:42:
815
816   (i) SEQUENCE CHARACTERISTICS:
817   (A) LENGTH:67 base pairs
818   (B) TYPE:nucleic acid
819   (C) STRANDEDNESS:single
820   (D) TOPOLOGY:linear
821
822   (ii) MOLECULE TYPE: other nucleic acid
823   (A) DESCRIPTION: /desc = "oligonucleotide"
824
825   (iii) HYPOTHETICAL: YES
826
827   (ix) SEQUENCE DESCRIPTION:SEQ ID NO:42:
828
829   CCGGATAATA   CGACTCACTA   TAGGGCGAGC   TCGGTACCCG   GGTCTAGAGT   CGACCTGCAG   60
830
831   GCATGCT   67
832
833
834

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/978,632*

Line	Error	Original Text
38	Wrong Classification	(C)CLASSIFICATION:Not Yet Known